

CLAIM:

SUBJ 1. A quick change lens mount for connecting a lens assembly to a camera board, the camera board having a image recording device, a filter and a filter frame to position the filter over the image recording device, comprising:

(a) a base attached to said camera board, having a quick connect coupling for removable coupling to said lens assembly;

(b) means for affixing said base, filter and filter frame to said camera board.

2. A mount according to claim 1, wherein said base has an interior opening and said quick connect coupling comprises a pair of slots to permit passage of a key affixed to an end of the lens assembly and a pair of keyways extending circumferentially from ends of corresponding ones of said slots, said slots and keyways dimensioned to receive keys of a lens assembly so as to lock said lens assembly to said base upon engagement of the keys of said lens assembly to respective keyways on said base.

3. A mount according to claim 1, wherein said lens assembly has a removable adapter having a threaded interior opening to receive a threaded end of a lens housing and a base

insert end, said base insert end having keys for engagement with said keyways.

- 5 4. A mount according to claim 1, wherein an end of said lens assembly has a cylindrical surface with a pair of keys affixed thereto on diametrically opposite sides of said cylindrical surface.

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5. A mount according to claim 1, wherein said means for affixing is a pair of screws passing through holes in said camera board and filter frame and engaging threaded holes in said base.

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6. A mount according to claim 1, wherein said filter housing is resilient so as to shield said filter from impact.

- 20 7. A mount according to claim 6, wherein said filter housing is rectangular and has an undercuts at respective corners such that corners of said filter extend through corresponding ones of the undercuts of said filter housing such that said filter housing tightly grips said filter.

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8. A mount according to claim 6, wherein said filter housing is elastomeric.

5 9. A method of mounting a lens assembly to a camera board, comprising:

(a) forming a base to fit over and lock to an end of said lens assembly;

(b) mounting said base over an image recording device and affixed to said camera board;

(c) inserting and locking said lens assembly to said base.

10 10. A method according to claim 9, wherein said lens assembly includes a separate adapter removably connectable to an end a lens housing and capable of being inserted and locked to said base.

25 11. A method according to claim 9, wherein said base has a cylindrical opening with slots and keyways on an interior surface thereof which slidably receive and engage keys on an end of said lens housing.

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12. A method according to claim 9, wherein an end of said lens housing is threaded and said adapter has a threaded opening with threads that mate with those of said lens housing and a pair of keys at an end thereof.

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13. A method according to claim 9, including shielding said filter by forming said filter housing with a resilient material.

14. A method according to claim 13, wherein said filter housing is rectangular with its corners undercut so as to permit firm engagement of sides of said filter by sides of said filter housing.

15. A method according to claim 13, wherein said filter housing is elastomeric.

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